

# Emily Wimberger

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## EDUCATION

**University of California, Davis, Davis, CA**  
*Agricultural and Resource Economics*

Ph.D., September 2011

Dissertation: "From Detection Through Repair: Vehicle Emissions Testing in the San Joaquin Valley"

Dissertation Committee: Jeffrey C. Williams, Pierre Mérel, and Douglas M. Larson

**University of California, Davis, Davis, CA**  
*Agricultural and Resource Economics*

M.S., December 2003

**Penn State University, State College, PA**  
*Energy, Environmental, and Mineral Economics*

B.S., December 2001

## EXPERIENCE

**Rhodium Group, Oakland, CA**  
*Climate Economist*

**September 2019 - present**

Analyzes the market impact of energy and climate policy and the economic risks of global climate change.

Provides policy outreach and support to the Climate Impact Lab in the valuation of climate damages and the social cost of carbon.

Conducts analyses of federal, state, and local legislative and regulatory developments and provides evidence-based, asset-level data to clients seeking climate risk information.

Conducts outreach with external experts on carbon pricing, transportation policy, and the social cost of carbon.

**California Air Resources Board, Sacramento, CA**  
*Chief Economist*

**March 2015 - August 2019**

Lead economist in the analysis of climate and air quality regulations at CARB including the 2017 Scoping Plan Update.

Supervised CARB economists in the regulatory impact assessment of policies and programs.

Advised the Executive Office and Office of the Chair on economic issues and policy design.

Conducted outreach with external experts on carbon pricing, co-benefits valuation, climate smart agriculture, and social costs.

**California Air Resources Board, Sacramento, CA**  
*Air Pollution Specialist Market Monitoring Section*

**July 2013 - March 2015**

Provided economic analysis of the Cap-and-Trade Program and related markets.

Led the economic analysis of AB 32 for the 2014 First Update to the Scoping Plan.

Assisted in the writing, assessment, enforcement and outreach related to the Cap-and-Trade Regulation.

**University of California Center for Energy and Environmental Economics, Santa Barbara, CA**

*Assistant Researcher*

**July 2011 - May 2013**

Assisted the California Air Resources Board in the modeling and economic analysis of AB 32.  
Strengthened the relationship between academic researchers and ARB.  
Evaluated ARB's methodology for ex post regulatory analysis.

**Valley Clean Air Now**, Sacramento, CA

*Data Analyst*

**October 2012 - January 2015**

Analyzed data from San Joaquin Valley vehicle emissions reduction program.  
Benchmarked program cost-effectiveness to existing mobile source emissions reduction programs.  
Estimated the social benefit of the program.

**Foundation for California Community Colleges**, Sacramento, CA

*Consultant*

**August, 2007 - November, 2010**

Participated in ARB contract "Emissions of HFC-134a in Auto Dismantling and Recycling".  
Estimated refrigerant remaining in End of Life Vehicles (ELVs) using DMV registration records.  
Wrote final report delaying the recovery of refrigerant from ELVs as an AB 32 early action item.

**PUBLICATIONS**

Mérel, Pierre, Aaron Smith, Jeffrey Williams and Emily Wimberger (2014). "Cars on Crutches: How Much Abatement Do Smog Check Repairs Actually Provide?" *Journal of Environmental Economics and Management*, Vol. 67, pp. 371-395.

Mérel, Pierre and Emily Wimberger (2012). "Improving Air Quality in California's San Joaquin Valley: The Role of Vehicle Heterogeneity in Optimal Emissions Abatement." *Journal of Environmental Economics and Management*, Vol. 63, pp. 169-186.

Douglas Larson, Kelly Grogan, and Emily Wimberger (2009). "Water Quality in California's San Joaquin Valley: Household Perspectives on the Salinity Problem." *Handbook on Environmental Quality*, E.K. Drury and T.S. Pridgen (Editors), Environmental Research Advances Series.

**PRESENTATIONS AND**

**GUEST LECTURERS**

**REFERENCES**

**Mary Nichols**

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Rhodium Group  
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**Rajinder Sahota**

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**Jim Bushnell**

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